U. S. AIR COMPRESSORS

U. S. compressors are precision built with cylinders, heads, crank-cases and other parts cast from highest grade close grain semi-steel. All parts are machined to close tolerances and are carefully inspected.

Compressors are thoroughly run-in, then completely inspected and tested before leaving factory. All tests are run in accordance with the standards set forth by the Compressed Air Society and those of the Pneumatic Automotive Equipment Association as approved by the U. S. Bureau of Standards.

The capacity of an air compressor is the actual quantity of air compressed and delivered by the compressor, usually expressed in cubic feet of free air per minute.

SINGLE STAGE COMPRESSORS

The single stage compressor takes air in at atmospheric pressure and with each compression stroke, compresses and delivers this air at the final required pressure.

Compressors of this class may have one or more cylinders. In the case of the multiple cylinder compressor, each cylinder acts as explained above.

TWO STAGE COMPRESSORS

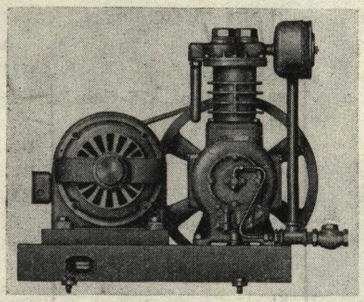
Two stage compressors are much more efficient, are subject to less wear, and operate at lower temperatures than single stage compressors.

Instead of compressing the air from the initial to the final pressure with one stroke of the piston, two stage compressors accomplish this result in two easy stages—air is taken into a large (low pressure) cylinder and compressed to an intermediate pressure. It is then passed through an inter-cooler to a small (high pressure) cylinder which compresses the air to the final pressure and discharges it to the line.

Where pressures over 150 pounds per sq. inch are required, the two stage compressor should be used.

BASE MOUNTED UNITS

ALL BASE MOUNTED UNITS CONSIST OF AN ASSEMBLY OF PUMP, MOTOR, CHECK VALVE AND BASE



Air Supply Always Assured with Two or More Compressor Units

If present air compressor needs replacing, or if installing original compressor equipment, consider the advantages of a dual or multiple installation of base mounted compressor units pumping directly into one tank. Positive air supply insured, even with but one unit in operation. Installation is flexible. Units can be cut in or out according to air requirements. Additional units added at little cost when increased air supply is required.

220 Volts—60 Cycle
Single Stage—One Cylinder

Nos.	C. F. M.	Pump R. P. M.	Motor H. P.	Dimensions—Inches Width	Length	Height	Net Weight Lbs.	Single Phase Each	Three Phase Each
LA-306	2.6	425	½	11⅛	24¾	17½	103	$129.50	$130.50
LA-406	4.1	675	¾	11⅛	24¾	17½	103	152.50	148.50

Two Stage—Two Cylinder

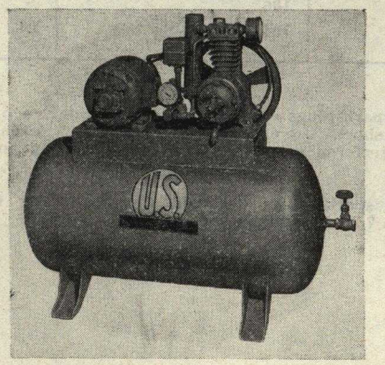
MK-606	7.0	384	1½	20	30	25⅞	271	$291.50	$265.50
MK-706	9.1	507	2	20	30	25⅞	286	330.00	284.00
MK-806	12.3	684	3	20	30	25⅞	301	380.50	301.50

Two Stage—Four Cylinder

FA-906	23.5	655	5	21	39	25⅞	411	$538.50	$379.00

SINGLE STAGE—GENERAL PURPOSE

HORIZONTAL TANKS—30 GAL. CAPACITY



Adequate capacity for farm use, or small air requirements. Compressor pump mounted on rubber. Noiseless, leak-proof, compressor valve type check valve, designed for long service. With positive operating centrifugal unloader, motor starts with no load.

220 Volts—60 Cycle—One Cylinder

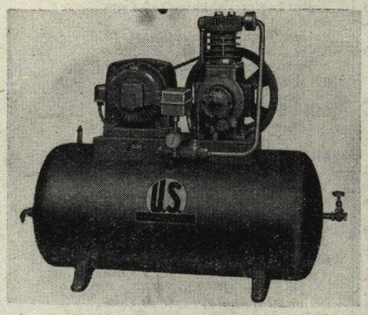
Nos.	C.F.M.	Max. Press.	Motor H.P.	Dimensions—Inches Width	Length	Height	Net Weight Lbs.	Single Phase Each	Three Phase Each
LA-338	2.6	150	½	16	52	31	115	$193.00	$193.00
LA-438	4.1	150	¾	16	52	31	125	226.00	226.00

VERTICAL TANK—FOR SPACE SAVING

LA-3311	2.6	150	½	16	25	66	220	$193.00	$193.00

TWO STAGE—HEAVY DUTY

HORIZONTAL TANK



Large bore gives cooler operation. Fins on cylinder and head disperse heat. Large crankshaft and wrist pins, taper roller bearings insure long life. Centrifugal automatic unloader prevents motor from starting against full load. Compressor type check valve.

Maximum pressure 175 lbs.

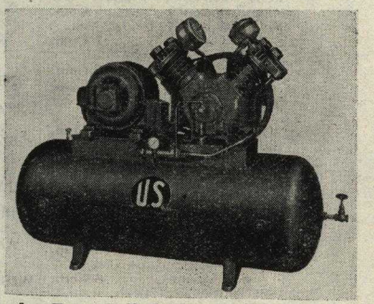
220 Volts—60 Cycle—Two Cylinder

Nos.	C.F.M.	Motor H.P.	Tank Cap. Gals.	Dimensions—Inches Width	Length	Height	Net Weight Lbs.	Single Phase Each	Three Phase Each
MK-563	5.0	1	60	22	54	45	470	$350.00	$342.00
MK-583	5.0	1	80	22	64	45	520	360.00	352.00
MK-663	7.0	1½	60	22	54	45	510	364.00	341.00
MK-683	7.0	1½	80	22	64	45	560	374.00	351.00
MK-763	9.1	2	60	22	54	45	530	425.50	380.50
MK-783	9.1	2	80	22	64	45	580	435.50	390.50
MK-863	12.3	3	60	22	54	45	545	475.00	397.00
MK-883	12.3	3	80	22	64	45	630	485.00	407.00

VERTICAL TANKS

MK-5611	5.0	1	60	20½	30	72½	470	$355.00	$347.00
MK-5811	5.0	1	80	24½	30	71	525	385.00	377.00
MK-6611	7.0	1½	60	20½	30	72½	510	369.00	346.00
MK-6811	7.0	1½	80	24½	30	71	540	399.00	376.00
MK-7611	9.1	2	60	20½	30	72½	530	430.50	385.50
MK-7811	9.1	2	80	24½	30	71	575	460.50	415.50
MK-8611	12.3	3	60	20½	30	72½	545	480.00	402.00
MK-8811	12.3	3	80	24½	30	71	595	510.00	432.00

HORIZONTAL TANK



Large bore gives cooler operation, with less carbon. Fins on cylinder and head disperse heat. Intake silencer and filter equipped. Pistons equipped with four piston rings. Centrifugal unloader.

Maximum pressure 175 lbs.

220 Volts—60 Cycle—Four Cylinder

Nos.	C.F.M.	Motor H.P.	Tank Cap. Gals.	Dimensions—Inches Width	Length	Height	Net Weight Lbs.	Single Phase Each	Three Phase Each
FA-983	23.5	5	80	22	64	44	750	*$729.00	$515.00

*THESE PRICES INCLUDE AUTOMATIC MOTOR STARTING SWITCH. ALL UNITS FURNISHED LESS HOSE AND CHUCK. WHEN MASSACHUSETTS STANDARD TANK IS REQUIRED ADD $12.00 TO THE ABOVE PRICES. PRICES FOR OTHER MOTOR SPECIFICATIONS THAN SHOWN CAN BE FURNISHED ON APPLICATION.

Three phase motors should always have thermal protection to prevent motor burnout. We also recommend thermal protection for single phase motors. We can furnish thermal protection at slight additional cost as follows:

No. 10617 Manual Motor Starting switch for 1½ H.P. 220 V. 1 Phase..$13.50
No. 10619 Manual Motor Starting switch for 2 and 3 H.P. 220 V. 1 Phase 16.25
No. 10615 Manual Motor Starting switch for 1½ and 2 H.P. 220 V. 3 Phase 15.00
No. 10407 Automatic Motor Starting switch, 3 and 5 H.P. 220 V. 3 Phase 30.00
No. 10658 Automatic Motor Starting switch, 2 and 3 H.P. 110 V. 1 Phase 33.75

When ordering equipment, give voltage, cycles, and phase, for alternating current—voltage only for direct current.
ASME tanks standard equipment. Massachusetts tanks furnished at extra charge.